



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name: Tray Material and Base Plate Material

Product No.: 04610, 04615, 04620, 82610, 82615, 82620, 82650, 82655, 82660, 82690, 82695, 82700, 82730, 82735, 82740

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Vacuuming Forming Material

Uses advised against: None known.

Details of the supplier of the safety data sheet

Manufacturer / Supplier

Buffalo Dental Manufacturing Co. Inc.
159 Lafayette Drive
Syosset NY 11791 US
+15164967200

Emergency telephone number:

For emergency health, safety, and environmental information, call 1-800-535-5053 or 1-516-496-7200

For emergency transportation information, in the United States: call INFOTRAC 800-535-5053 or 516-496-7200.

SECTION 2: Hazards identification

Hazard classification:

OSHA Specified Hazards:

None known.

Warning label items including precautionary statement:

Signal words: None.

Hazard Statement(s): Not applicable.

Precautionary statement:

Disposal: Not applicable.

Hazard(s) not otherwise
classified (HNOC):

None known.

SECTION 3: Composition/information on ingredients

Substances / Mixtures

General information:

Chemical name	Concentration	Additional identification	Notes
Polystyrene	100%	CAS-No.: 9003-55-8	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4: First aid measures

Description of first aid measures

Inhalation: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eye contact: Flush with water. If molten material contacts eye, immediately flush with water for at least 15 minutes. Get medical attention immediately.

Skin contact: Treat as a thermal burn. If burned by contact with molten material, cool material adhering to skin quickly with water, and see a physician for removal of adhering material and treatment of burn. Get medical attention.

Ingestion: Seek medical advice.

Most important symptoms and effects, both acute and delayed: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary. Ingestion may cause choking sensation or nausea.

Indication of any immediate medical attention and special treatment needed

Hazards: Contact with molten substance/product may cause severe burns to skin and eyes.

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards: None known. If overheated material may burn.

Extinguishing media

Suitable extinguishing media: Water spray. Dry chemical. Carbon Dioxide.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture: Carbon dioxide, carbon monoxide and undefined organics can be formed from combustion.

Advice for firefighters

Special fire fighting procedures: None known.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment.

Environmental precautions: Not regarded as dangerous for the environment.

Methods and material for containment and cleaning up: Wipe up with towels and dispose in suitable container. Dispose in accordance with federal, state, and local regulations.

Notification Procedures: None.

SECTION 7: Handling and storage:

Precautions for safe handling: Avoid contact with molten material. Minimize dust generation and accumulation. Handle in accordance with good industrial hygiene and safety practice. Overheating may result in fire or fumes.

Conditions for safe storage, including any incompatibilities: Store at normal room temperatures and humidity.

Specific end use(s): Vacuum forming material

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Country specific exposure limits have not been established or are not applicable unless listed below.

Chemical name	Type	Exposure Limit values	Source
Polystyrene	TWA		

Exposure controls

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information: Safety glasses required. Eye bath. Washing facilities.

Eye/face protection: It is a good industrial hygiene practice to minimize eye contact. Wear a face shield when working with molten material.

Skin protection
Hand protection: It is a good industrial hygiene practice to minimize skin contact. When material is heated, wear gloves to protect against thermal burns.

Other: No data available.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

Hygiene measures: Observe good industrial hygiene practices.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical State: Solid

Form: Sheet

Color: Blue or Pink

Odor: Slight

Odor Threshold: Not determined.

pH: Not applicable

Softening Point: No data available.

Boiling Point: No data available.

Flash Point: No data available.

Evaporation Rate: Not determined.

Flammability (solid, gas): No data available.

Flammability Limit - Upper (%)—: No data available.

Flammability Limit - Lower (%)—: No data available.

Vapor pressure: Not determined.

Vapor density (air=1):	No data available.
Specific Gravity:	1.0 - 1.2 estimated.
Solubility(ies)	
Solubility in Water:	Insoluble.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Dynamic Viscosity:	No data available.
Kinematic viscosity:	Not determined.
Explosive properties:	Not explosive.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

Reactivity:	None known.
Chemical stability:	Stable
Possibility of hazardous reactions:	None known.
Conditions to avoid:	Excessive heat.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon Monoxide, Carbon Dioxide and undefined organics.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	None known.
Ingestion:	May cause choking sensation and nausea.
Skin contact:	Molten material will produce thermal burns.
Eye contact:	Not likely. May cause irritation. Molten material will produce thermal burns.

Information on toxicological effects

Acute Toxicity

Oral

Product:	No data available.
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Specified substance(s)

Polystyrene	No data available.
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Dermal

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Inhalation

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Skin corrosion/irritation:

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Serious eye damage/eye irritation:

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Respiratory or skin sensitization:

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Polystyrene No data available.

In vivo

Product: No data available.

Specified substance(s)
Polystyrene No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)
Polystyrene No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)
Polystyrene No data available.

Specific target organ toxicity - single exposure

Product: No data available.

Specified substance(s)
Polystyrene No data available.

Specific target organ toxicity - repeated exposure

Product: No data available.

Specified substance(s)
Polystyrene No data available.

Aspiration hazard

Product: No data available.

Specified substance(s)
Polystyrene No data available.

Other adverse effects: None known.

SECTION 12: Ecological information

Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Aquatic invertebrates

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Aquatic invertebrates

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Persistence and degradability

Biodegradation

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Biological Oxygen Demand:

Product No data available.

Specified substance(s)

Polystyrene No data available.

Chemical Oxygen Demand:

Product No data available.

Specified substance(s)

Polystyrene No data available.

BOD/COD ratio

Product No data available.

Specified substance(s)

Polystyrene No data available.

Bioaccumulative potential

Product: No data available.

Specified substance(s)

Polystyrene No data available.

Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments

Polystyrene No data available.

**Results of PBT and vPvB
assessment:**

No data available.

Polystyrene

No data available.

Other adverse effects:

No data available.

SECTION 13: Disposal considerations
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Waste treatment methods

General information:

No data available.

Disposal methods: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

SECTION 14: Transport information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT

Class not regulated

IMDG - International Maritime Dangerous Goods Code

Class not regulated

IATA

Class not regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS (Canada) Status: noncontrolled

SARA 311-312 Hazard Classification(s):

Not available.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical List

NONE

OSHA: Not hazardous.

TSCA (US Toxic Substances Control Act): All components of this product are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): One or more components of this product are not listed on the DSL.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): All components of this product are listed on AICS or otherwise comply with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): All components of this product are listed in the Handbook or have been approved in Japan by new substance notification.

SECTION 16: Other information

HMIS® Hazard Ratings: Health - 1, Flammability - 1, Chemical Reactivity - 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

Revision Information: 06/12/2017

Key literature references and sources for data: No data available.

Training information: No data available.

Issue date: 05/07/2015

SDS No.:

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.